

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Kee et al.

**Serial No.:** Not Yet Assigned

**Filed:** September 11, 2003

**For:** INDIVIDUAL SELECTIVE REWORK  
OF DEFECTIVE BGA SOLDER BALLS

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 2269-4370.1US  
(00-0019.01/US)

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: EV326922084US

Date of Deposit with USPS: September 11, 2003

Person making Deposit: Chris Haughton

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

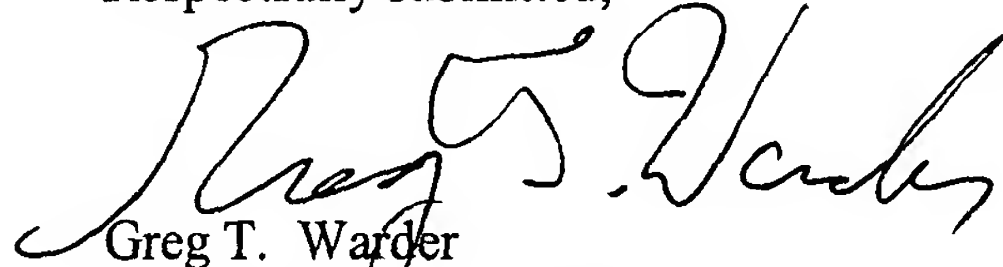
The present application is a continuation of application Serial No. 09/694,113, filed October 20, 2000, pending.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior application, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 or PTO/SB/08 form listing all of the information of record in the prior application is enclosed herewith.

**Attorney Docket No. 2269-4370.1US**

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

Respectfully submitted,



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Date: September 11, 2003

GTW/dlm:ljb

Enclosures: Form PTO-1449 or PTO/SB/08

Document in ProLaw

<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>4370.1US (00-0019.01/US)</b>		Application Number <b>Not Yet Assigned</b>	
				Applicant <b>Kee et al.</b>			
				Filing Date <b>September 11, 2003</b>		Group Art Unit <b>Unknown</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	3,903,581	09/1975	Michel				
	4,871,110	10/1989	Fukasawa et al.				
	4,898,117	02/1990	Ledermann et al.				
	4,899,921	02/1990	Bendat et al.				
	4,912,843	04/1990	Dederer				
	4,934,582	06/1990	Bertram et al.				
	5,088,639	02/1992	Gondotra et al.				
	5,194,948	03/1993	L'Esperance, III et al.				
	5,284,287	02/1994	Wilson et al.				
	5,425,493	06/1995	Interrante et al.				
	5,445,313	08/1995	Boyd et al.				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	JP 2000-133931-A	05/2000	Nakagawa				
<b>OTHER DOCUMENTS</b> <span style="float: right;">(Including Author, Title, Date, Pertinent Pages, Etc.)</span>							
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

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			Filing Date <b>September 11, 2003</b>		Group Art Unit <b>Unknown</b>	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,467,913	11/1995	Namekawa et al.			
	5,478,009	12/1995	Interrante et al.			
	5,492,266	02/1996	Hoebener et al.			
	5,506,385	04/1996	Murakami et al.			
	5,543,584	08/1996	Handford et al.			
	5,615,823	04/1997	Noda et al.			
	5,680,984	10/1997	Sakemi			
	5,685,477	11/1997	Mallik et al.			
	5,687,901	11/1997	Hoshiba et al.			
	5,695,667	12/1997	Eguchi et al.			
	5,826,779	10/1998	Jacks et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS		(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>4370.1US (00-0019.01/US)</b>		Application Number <b>Not Yet Assigned</b>	
				Applicant <b>Kee et al.</b>			
				Filing Date <b>September 11, 2003</b>		Group Art Unit <b>Unknown</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5,831,247	11/1998	Hidaka				
	5,894,218	04/1999	Farnworth et al.				
	5,904,868	05/1999	Economikos et al.				
	6,009,145	12/1999	Zweig et al.				
	6,119,337	03/1999	Furuno				
	6,151,380	11/2000	Zweig et al.				
	6,156,150	10/1998	Nishida				
	6,177,682	01/2001	Bartulovic et al.				
	2001/0011828 A1	08/2001	Ujita et al.				
	6,386,433	05/2002	Razon et al.				
	6,422,923	07/2002	Hembree				
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<b>OTHER DOCUMENTS</b> <span style="float: right; font-size: small;">(Including Author, Title, Date, Pertinent Pages, Etc.)</span>							
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as

defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

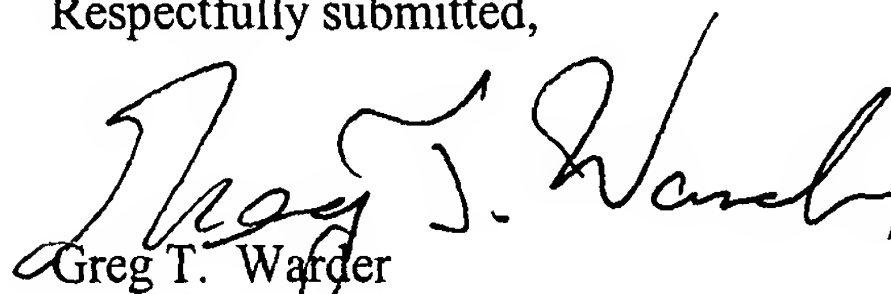
<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 4,526,646	07/02/1985	Suzuki et al.
US - 4,543,659	09/24/1985	Ozaki
US - 4,736,437	04/05/1988	Sacks et al.
US - 5,059,559	10/22/1991	Takahashi et al.
US - 5,113,565	05/19/1992	Cipolla et al.
US - 5,145,099	09/08/1992	Wood et al.
US - 5,238,174	08/24/1993	Ricketson et al.
US - 5,288,698	02/22/1994	Banjo et al.
US - 5,463,227	10/31/1995	Stern et al.
US - 5,471,310	11/28/1995	Spigarelli et al.
US - 5,506,684	04/09/1996	Ota et al.
US - 5,516,023	05/14/1996	Kono
US - 5,516,026	05/14/1996	Ariye et al.
US - 5,644,245	07/01/1997	Saitoh et al.

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

**Attorney Docket No. 2269-4370.1US**

This Supplemental Information Disclosure Statement is filed concurrent with the filing of the above-identified application.

Respectfully submitted,



Greg T. Warder

Registration No. 50,208

Attorney for Applicants

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GTW/dlm:ljb

Enclosures: Form PTO-1449 or PTO/SB/08

Copy of documents cited

Document in ProLaw



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Sheet	1	of	1	Application Number	Not Yet Assigned
				Filing Date	September 11, 2003
				First Named Inventor	Kee et al.
				Group Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	2269-4370.1US (00-0019.01/US)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4,526,646	07/02/1985	Suzuki et al.	
		US- 4,543,659	09/24/1985	Ozaki	
		US- 4,736,437	04/05/1988	Sacks et al.	
		US- 5,059,559	10/22/1991	Takahashi et al.	
		US- 5,113,565	05/19/1992	Cipolla et al.	
		US- 5,145,099	09/08/1992	Wood et al.	
		US- 5,238,174	08/24/1993	Ricketson et al.	
		US- 5,288,698	02/22/1994	Banjo et al.	
		US- 5,463,227	10/31/1995	Stern et al.	
		US- 5,471,310	11/28/1995	Spigarelli et al.	
		US- 5,506,684	04/09/1996	Ota et al.	
		US- 5,516,023	05/14/1996	Kono	
		US- 5,516,026	05/14/1996	Ariye et al.	
		US- 5,644,245	07/01/1997	Saitoh et al.	
		US-			
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		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.